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Docket No.: 13111-00007-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Martin Volland et al.

Application No.: 10/527,635

Confirmation No.: 9341

Filed: March 14, 2005

Art Unit: 1621

For: METHOD FOR PRODUCING  
DIALDEHYDES AND/OR  
ETHYLENICALLY UNSATURATED  
MONOALDEHYDES BY  
HYDROFORMYLATION OF  
ETHYLENICALLY UNSATURATED  
COMPOUNDS

Examiner: S. A. Witherspoon

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

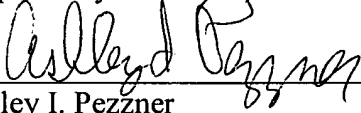
Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 13111-00007-US.

Respectfully submitted,

By   
Ashley I. Pezzner

Registration No.: 35,646  
CONNOLLY BOVE LODGE & HUTZ LLP  
1007 North Orange Street  
P.O. Box 2207  
Wilmington, Delaware 19899  
(302) 658-9141  
(302) 658-5614 (Fax)  
Attorney for Applicant



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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/527,635-Conf. #9341
				Filing Date	March 14, 2005
				First Named Inventor	Martin Volland
				Art Unit	1621
				Examiner Name	S. A. Witherspoon
Sheet	1	of	2	Attorney Docket Number	13111-00007-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-3,816,452		Mrowea	
	AB*	US-5,907,045	05-25-1999	Antognazza et al.	
	AC*	US-20030022947-A1	06-03-2003	McAtee et al.	
	AD*	US-20030055253-A1	12-20-2005	Ahlers et al.	
	AE*	US-20060052645-A1	03-09-2006	Volland et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	BA	EP-0 754 715 A2	01-22-1997	BP Chemicals Limited		
	BB	WO-98/42716	10-01-1998	Monsanto Company		
	BC	WO-99/52915	10-21-1999	Chemi S.p.A.		
	BD	WO-99/52632	10-21-1999	E.I. du Pont de Nemours and Company		
	BE	WO-01/85739	01-17-2001	BASF AG		See Abstract
	BF	JP-2002-047294	02-12-2002	MITSUBISHI CHEMICALS CORP.		In English

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Brunner <i>et al.</i> , "Optisch aktive Aminophosphane - Synthese und Verwendung iin der Rh-katalysierten enantioselektiven Hydrosilylierung", <i>Chem. Ber.</i> , Vol. 118, pp. 3380-3395 (1985).	
	CB	Moloy <i>et al.</i> , "N-Pyrrolyl Phosphines: An Unexploited Class of Phosphine Ligands with Exceptional $\pi$ -Acceptor Character", <i>J. Am. Chem. Soc.</i> , Vol. 117, pps. 7696-7710 (1995).	
	CC	Trzeciak <i>et al.</i> , "Novel rhodium complexes with N-pyrrolylphosphines: attractive precursors of hydroformylation catalysts", <i>J. Chem. Soc., Dalton Trans.</i> , pp. 1831-1837 (1997).	
	CD	Trzeciak <i>et al.</i> , "Rhodium complexes HRh[P(NC <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> ] <sub>4</sub> and HRh(CO)[P(NC <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> ] <sub>3</sub> as active catalysts of olefins and arenes hydrogenation X-ray structure of HRh(CO)[P(NC <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> ] <sub>3</sub> ", <i>Journal of Organometallic Chemistry</i> , Vol. 552, pp. 159-164 (1998).	
	CE	Shen <i>et al.</i> , "Enthalpies of Reaction of Cp' = C <sub>5</sub> H <sub>5</sub> , C <sub>5</sub> Me <sub>5</sub> ; COD = Cyclooctadiene) with $\pi$ -Acceptor Chelating Phosphine Ligands", <i>Organometallics</i> , Vol. 17, No. 14, pp. 3000-3005 (1998).	

Examiner Signature	Date Considered
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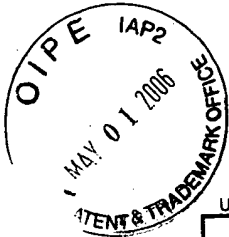
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				Art Unit	1621
				Examiner Name	S. A. Witherspoon
Sheet	2	of	2	Attorney Docket Number	13111-00007-US

CF	Gimbert <i>et al.</i> , "Synthesis and Characterization of New Binuclear (Co)(0) Complexes with Diphosphinoamine Ligands. A Potential Approach for Asymmetric Pauson-Khand Reactions", <i>Journal Organometallic Chemistry</i> , Vol. 64, pp. 3492-3497 (1999).
CG	Trzeciak <i>et al.</i> , "Novel rhodium(I) complexes with (2-hydroxyphenyl)diphenylphosphine ligand: catalytic properties and X-ray structures of Rh(OC <sub>6</sub> H <sub>4</sub> PPh <sub>2</sub> )(CO)PPh <sub>3</sub> and Rh(OC <sub>6</sub> H <sub>4</sub> PPh <sub>2</sub> )(P(OPh) <sub>3</sub> ) <sub>2</sub> · 0.5C <sub>6</sub> H <sub>6</sub> ", <i>Journal of Organometallic Chemistry</i> , Vol. 575, pp. 87-97 (1999).
CH	Trzeciak <i>et al.</i> , "Hydroformylation of vinylsilanes with Rh(acac)(CO) <sub>2</sub> /tris(N-pyrrolyl)phosphine catalytic system", <i>C.R. Acad. Sci. Paris</i> , t. 2, Série II c, p. 235-239 (1999).
CI	van der Veen <i>et al.</i> , "New Phosphacyclic Diphosphines for Rhodium-Catalyzed Hydroformylation", <i>Organometallics</i> , Vol. 18, pp. 4765-4777 (1999).
CJ	Smith, Jr. <i>et al.</i> , "Synthetic, Structural, and Solution Calorimetric Studies of Pt(CH <sub>3</sub> ) <sub>2</sub> (PP) Complexes", <i>Organometallics</i> , Vol. 19, pp. 1427-1433 (2000).
CK	Benincori <i>et al.</i> , "3,3'-Bis(diphenylphosphino)-1,1'-disubstituted-2,2'-biindoles: Easily Accessible, Electron-Rich, Chiral Diphosphine Ligands for Homogeneous Enantioselective Hydrogenation of Oxoesters", <i>J. Org. Chem.</i> , Vol. 65, pp. 8340-8347 (2000).
CL	Selent <i>et al.</i> , "Neuartige oxyfunktionalisierte Phosphonitliganden für die Hydroformylierung isomerer <i>n</i> -Olefine", <i>Angew. Chem.</i> , Vol. 112, No. 9, pp. 1694-1696 (2000).
CM	van der Slot <i>et al.</i> , "Rhodium Complexes Based on Phosphorus Diamide Ligands: Catalyst Structure versus Activity and Selectivity in the Hydroformylation of Alkenes", <i>Organometallics</i> , Vol. 19, pp. 2504-2515 (2000).

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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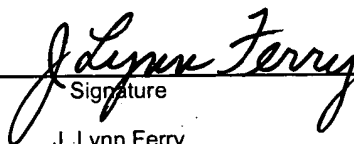
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